

REMARKS

In view of the foregoing amendments and the following remarks, reconsideration and allowance of this application is requested. Claims 1-20 remain pending, with claims 1, 10, 12, 16, and 20 being independent.

The title, specification, and drawings have been amended in response to the Examiner's objections. In the drawings, the Examiner objected to reference signs mentioned in the description but not shown in Figures 1 and 5. Figures 1 and 5 have been amended to show the reference signs mentioned in the description. In the specification, the Examiner objected to the title as not being descriptive. The title has been amended to be more descriptive. The Examiner objected to a number of parenthetical errors throughout the description. All of the parenthetical errors have been corrected. No new matter has been introduced.

Claims 1, 12, 16, and 20 present a method and system of displaying information associated with multimedia data that includes a source containing multimedia data and a browser having a user interface. The method and system also include a markup language file associated with a script handler and loadable by the browser, the script handler executable to process multimedia data received from the source for presentation to the browser user interface.

Claims 1, 12, 16, and 20 stand rejected under 35 USC 102(b) as anticipated by Judson. Applicant requests reconsideration and withdrawal of these rejections because Judson does not describe or suggest a script handler executable to process multimedia data received from a source for presentation to a browser user interface.

Judson, in relevant part, describes a web browser with dynamic display of information objects during linking. An HTML-compliant client supporting a graphical user interface (GUI) and a browser is used for browsing the World Wide Web. The GUI displays web pages, with each web page having at least one link to a hypertext document preferably located at a remote server. In response to the user clicking on the link, the link is activated by the browser to thereby request downloading of the hypertext document from the remote server to the graphical user interface of the client. While the client waits for a reply and/or as the hypertext document is being downloaded, the browser displays one or more different types of informational messages to the user. Such messages include, for example, advertisements, notices, messages, copyright information and the like. Judson does not describe or suggest a script handler executable to process multimedia data received from a source for presentation to a browser user interface.

Column 8, lines 1-2 describes an HTML-compliant browser, such as Netscape Navigator 2.0, that has support for platform independent application objects such as applets. The browser includes an engine for executing the downloadable applets. Thus, the browser of Judson's invention stores a downloaded applet and later uses it, preferably when a new, related link is established. Thus, column 8, lines 1-2 or any other part of the Judson reference does not describe or suggest a script handler executable to process multimedia data received from a source for presentation to a browser user interface.

Claims 2-9, 13-15, and 17-19 depend from independent claims 1, 12, and 16, respectively. Accordingly, Applicant requests reconsideration and withdrawal of the rejection for claims 2-9, 13-15 and 17-19 for the reasons discussed above with respect to claims 1, 12, and 16.

Claim 10 presents a system including a source containing audio/video data and a browser having a user interface. The system also includes a file associated with predetermined instructions. The file may be loaded by the browser and the instructions executed to display information associated with the audio/video data in the source.

Claim 10 stands rejected under 35 USC 102(b) as anticipated by Judson. Applicant requests reconsideration and withdrawal of these rejections because Judson does not describe or suggest a script handler executable to process multimedia data received from a source for presentation to a browser user interface.

Judson, as described above in relevant part, describes a web browser with dynamic display of information objects during linking. The GUI displays web pages, with each web page having at least one link to a hypertext document preferably located at a remote server. In response to the user clicking on the link, the link is activated by the browser to thereby request downloading of the hypertext document from the remote server to the graphical user interface of the client. While the client waits for a reply and/or as the hypertext document is being downloaded, the browser displays one or more different types of informational messages to the user. Judson does not describe or suggest a file associated with predetermined instructions, the instructions executable to display information associated with the audio/video data in the source. Column 8, lines 1-2 describes an HTML-compliant browser, such as Netscape Navigator 2.0, that has support for platform independent application objects such as applets. The browser includes an engine for executing the downloadable applets. Thus, the browser of Judson's

invention stores a downloaded applet and later uses it, preferably when a new, related link is established. Thus, column 8, lines 1-2 or any other part of the Judson reference does not describe or suggest a file associated with predetermined instructions, the instructions executable to display information associated with the audio/video data in the source.

Claim 11 depends from independent claim 10. Accordingly, Applicant requests reconsideration and withdrawal of the rejection for claim 11 for the reasons discussed above with respect to claim 10.

All independent claims are allowable for the reasons set forth above. Dependent claims are allowable for at least the same reasons as corresponding independent claims.

Allowance of all claims is respectfully requested. The Commissioner is authorized to charge any additional fees and/or credit any overpayment to Deposit Account 20-1504 (ITL.0215P2US).

Respectfully submitted,

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APPENDIX

IN THE TITLE:

The title has been amended as follows:

--PORTABLE USER INTERFACE FOR PRESENTATION OF INFORMATION
ASSOCIATED WITH AUDIO/VIDEO DATA--.

IN THE SPECIFICATION:

The paragraph beginning on page 6, line 31 through page 7, line 14 has been amended as follows:

Referring to Fig. 2, activation of one of the control buttons in the user interface control components 14B generates a corresponding user input event 30 [(at 30)]. For example, if the source 18 includes a CD or DVD player that contains a CD or DVD, a user may activate one of the control buttons to play, stop, or perform other control operations. The same or similar control components may be used in further embodiments to control other types of media. In response to the user input event, a corresponding control event handler 15 in the script 13 is triggered to generate control messages 32 that are directed to the control module 16 [(at 32)]. Such control messages may include, for example, messages indicating that the source 18 is to be played, stopped, paused, and so forth. In turn, the control module 16 may transmit corresponding multimedia source commands 34 [(at 34)] to the source 18 (through the device driver for the source 18). Thus, for example, a play command from the control module 16 may cause the source 18 to transfer data to the control module 16, including audio/video data, information identifying the playback position measured in reference to the beginning or end of a track, and other information. A stop or pause command may cause the source 18 to stop transferring data to the control module 16.

The paragraph beginning on page 7, line 15 has been amended follows:

Referring to Fig. 3, in response to the control module 16 receiving data 20 from the source 18 [(at 20)], the control module 16 may generate a display event 22 [(at 22)] that triggers a display event handler 15 in the script 13. Data from the source 18 may accompany the display event, which are processed by the display event handler 15 to determine statistical information, including time remaining, time elapsed, and track number based on the data identifying the

current location of a CD or DVD track. A display event may also be generated in response to the source changing states, e.g., turning on or off, starting, stopping, pausing, and so forth. Such a display event may be associated with some indication of the status of the source 18 from which status information of the source 18 may be generated by the display event handler 15. The statistical and status information 24 may be sent to corresponding user interface display components 14 in the browser window 11 [(at 24)].

The paragraph beginning on page 7, line 27 has been amended as follows:

Referring to Fig. 5, the system 8 may be a personal computer, a set-top box, or any other type of system capable of presenting multimedia data. In accordance with one embodiment, the system 8 may include several software layers 50 that are executable on a central processing unit (CPU) 51, which may be a microprocessor, microcontroller, or other control device. The software layers may include an operating system, device drivers, and application programs such as the browser 10 and the control module 16 that execute within an operating system environment. The CPU 51 may be coupled to a primary bus 53 through a host bridge 52 to communicate with other components in the system 8. A video controller 54 is also coupled to the primary bus 53 to display text and video images on a [monitor] video display 55. A storage controller 58 controls access to the source 18.

The paragraph beginning on page 8, line 6 has been amended as follows:

In addition, a network interface 56 is coupled to the primary bus 53 to control communications with a network 57 such as a LAN, a WAN, or the Internet. The system 8 may also include a transceiver 59 coupled to the primary bus 53 through which the system may communicate with another communications link 70 such as a telephone line, satellite link, a cable link, and so forth.

The paragraph beginning on page 9, line 11 has been amended follows:

Referring to Fig. 6, in accordance with some embodiments, to view or access multimedia data contained in the source 18, a user can launch 100 [(at 100)] the browser 10. Next, a scripted HTML file (or some other markup language file with one or more associated scripts) can be loaded 102 [(at 102)] into the system 8 from an internal or external storage device. This may trigger 104 [(at 104)] a setup event handler 15 in the script 13, which sets up user interface components 14 in the browser window 11 including both control and display components. In

response to activation [(at 106)] of one of the user interface control components 106, a user input control event may be generated. This triggers [(at 108)] control event handlers 15 in the script 13 to create and send corresponding control messages 108 to the control module 16. If the control message is to begin playing a music or video track in the source 18, the source 18 may respond by transferring data to the control module 16, which in turn generates [(at 110)] display events 110 to trigger 112 [(at 112)] the display event handler 15 in the script 13. The display event handler 15 processes the data received from the source 18 as discussed above and presents [(at 114)] statistical information 114, status information, and/or video images for presentation in the user interface display components 14A.